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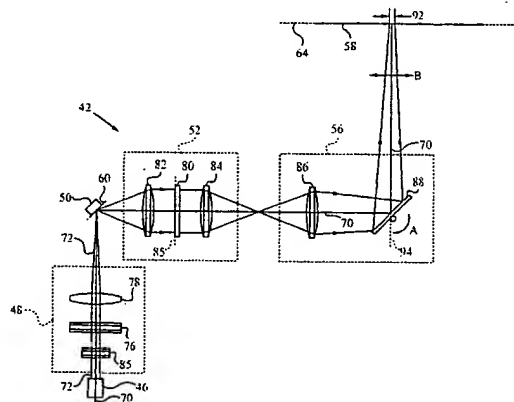
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(54) Title: ANGLED ILLUMINATION FOR A SINGLE ORDER GLV BASED PROJECTION SYSTEM



(57) Abstract: A display apparatus projects a two dimensional image onto a display screen and includes illumination optics, a light modulator, separating optics and scanning optics. The light modulator is optically coupled to the illumination optics such that in operation the illumination optics illuminate the light modulator with an off-axis illumination and further such that the light modulator directs light onto an optic axis for a bright pixel, thereby forming on-axis light, and away from the optic axis for a dark pixel, thereby forming off-axis light. The separating optics are coupled to the light modulator and separate the off-axis and on-axis light where the on-axis light produces a real and virtual image that is displayed by the projection and scanning optics.

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# INTERNATIONAL SEARCH REPORT

International Application No.

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## A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 629 801 A (BLOOM DAVID M ET AL) 13 May 1997 (1997-05-13)	25-30
Y	abstract	1-13, 15-23, 31-38
A	claims 1-4 figures 2-4	14, 24
Y	US 5 982 553 A (BLOOM DAVID M ET AL) 9 November 1999 (1999-11-09) cited in the application	1-7, 15-21, 31-38
A	abstract  figures	8-14, 22-30
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☒ Further documents are listed in the continuation of box C.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	abstract page 6, line 28 - line 37 figure 8	14,24
A	EP 0 436 738 A (JAPAN BROADCASTING CORP) 17 July 1991 (1991-07-17) abstract figures 1,4-7	1-38
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